



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:  
MAITLAND, et al.

Serial No.: 09/508,874

Filed: 8 June, 2000

For: ELECTRICALLY CONDUCTIVE NON-  
AQUEOUS WELLBORE FLUIDS

Group Art Unit: 1712

Examiner: P. Tucker

Atty. Dkt. No.: 11836.0689.PCUS00

#10/B  
6/7/02  
TC

RESPONSE TO OFFICE ACTION

RECEIVED  
JUN 06 2002  
TC 1700

Commissioner for Patents  
Washington, D.C. 20231

EXPRESS MAIL MAILING LABEL	
EL830941375US	
NUMBER	
DATE OF DEPOSIT	May 30, 2002
I hereby certify that this paper or fee is being deposited with the United States Postal Service "EXPRESS MAIL POST OFFICE TO ADDRESSEE" service under 37 C.F.R. 1.10 on the date indicated above and is addressed to: Commissioner for Patents, Washington D.C. 20231.	
 Signature	

In response to the Office Action dated 30 January 2002, Applicants hereby request the following:

Please make the following amendments:

IN THE CLAIMS:

B<sup>1</sup>  
22. (Amended) A wellbore fluid of the water-in-oil emulsion type useful for electrical well-logging comprising a discontinuous aqueous or brine phase, solids, and having a non-aqueous continuous liquid phase that comprises a polar organic liquid POL which exhibits a dielectric constant of at least about 5.0 and a Hildebrand Solubility Parameter of at least about  $17 \text{ (J cm}^{-3})^{1/2}$  so that the liquid phase exhibits an electrical conductivity of not less than  $10 \mu\text{S m}^{-1}$  at 1 kHz.